

IN THE CLAIMS:

1-20. (Cancelled)

21. (Previously Presented) An ink set comprising:

an ink composition comprised of a coloring agent, an organic solvent, water, and a surfactant having difference dl ($\sigma_{10} - \gamma$) which is difference between dynamic surface tension (σ_{10}) of the solution obtained by making 0.1 wt% solution dissolved in purified water to be measured by using a maximum bubble pressure method at the bubble frequency of 10Hz at a temperature from 24 °C to 26 °C and static surface tension (γ) to be measured at a temperature from 24 °C to 26 °C and which satisfies the following expression (1)

$$0mN/m \leq dl \leq 15mN/m \quad (1)$$

wherein said coloring agent comprises at least one pigment selected from the group consisting of (1) at least one selected from the group consisting of C.I. Pigment blue 15:3 and C.I. Pigment blue 15:4, (2) at least one selected from the group consisting of C.I. Pigment red 122, C.I. Pigment red 209, and C.I. Pigment violet 19, and (3) at least one selected from the group consisting of C.I. Pigment yellow 74, C.I. Pigment yellow 138, C.I. Pigment yellow 150, and C.I. Pigment yellow 180.

22. (Previously Presented) An ink set comprising:

an ink composition comprised of a coloring agent, an organic solvent, water, and a surfactant having difference dl ($\sigma_{10} - \gamma$) which is difference between dynamic surface tension (σ_{10}) of the solution obtained by making 0.1 wt% solution dissolved in purified water to be measured by using a maximum bubble pressure method at the bubble frequency of 10Hz at a temperature from 24 °C to 26 °C and static surface tension (γ) to be measured at a temperature from 24 °C to 26 °C and which satisfies the following expression (1)

$$0\text{mN/m} \leq dl \leq 15\text{mN/m} \quad (1)$$

wherein said coloring agent comprises at least one pigment selected from the group consisting of (1) at least one selected from the group consisting of C.I. Pigment blue 15:3 and C.I. Pigment blue 15:4, (2) at least one selected from the group consisting of C.I. Pigment red 122, C.I. Pigment red 209, and C.I. Pigment violet 19, (3) at least one selected from the group consisting of C.I. Pigment yellow 74, C.I. Pigment yellow 138, C.I. Pigment yellow 150, and C.I. Pigment yellow 180, and (4) carbon black.

23-46. (Cancelled)

47. (Previously Presented) An ink set comprising:

an ink composition comprised of a coloring agent, an organic solvent, water, and a surfactant having difference dl ($\sigma_{10} - \sigma_1$) which is difference between dynamic surface tension (σ_{10}) of the solution obtained by making 0.1 wt% solution dissolved in purified water to be measured by using a maximum bubble pressure method at the bubble frequency of 10Hz at a temperature from 24 °C to 26 °C and dynamic surface tension (σ_1) to be measured at a temperature from 24 °C to 26 °C and which satisfies the following expression (1)

$$0\text{mN/m} \leq dl \leq 15\text{mN/m} \quad (1)$$

wherein said coloring agent comprises at least one pigment selected from the group consisting of (1) at least one selected from the group consisting of C.I. Pigment blue 15:3 and C.I. Pigment blue 15:4, (2) at least one selected from the group consisting of C.I. Pigment red 122, C.I. Pigment red 209, and C.I. Pigment violet 19, and (3) at least one selected from the group consisting of C.I. Pigment yellow 74, C.I. Pigment yellow 138, C.I. Pigment yellow 150, and C.I. Pigment yellow 180.

48. (Previously Presented) An ink set comprising:

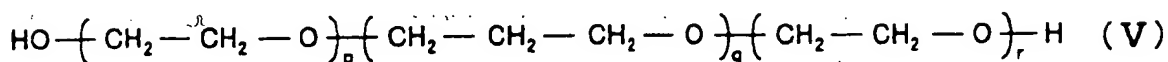
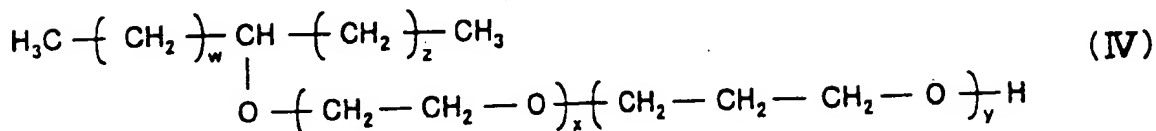
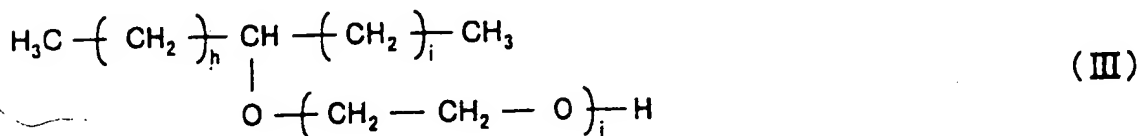
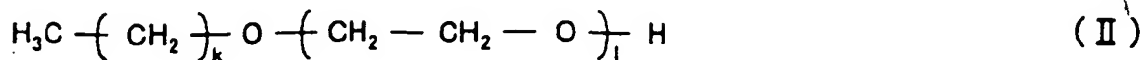
an ink composition comprised of a coloring agent, an organic solvent, water, and a surfactant having difference dl ($\sigma_{10} - \sigma_1$) which is difference between dynamic surface tension (σ_{10}) of the solution obtained by making 0.1 wt% solution dissolved in purified water to be measured by using a maximum bubble pressure method at the bubble frequency of 10Hz at a temperature from 24 °C to 26 °C and dynamic surface tension (σ_1) to be measured at a temperature from 24 °C to 26 °C and which satisfies the following expression (1)

$$0\text{mN/m} \leq dl \leq 15\text{mN/m} \quad (1)$$

wherein said coloring agent comprises at least one pigment selected from the group consisting of (1) at least one selected from the group consisting of C.I. Pigment blue 15:3 and C.I. Pigment blue 15:4, (2) at least one selected from the group consisting of C.I. Pigment red 122, C.I. Pigment red 209, and C.I. Pigment violet 19, (3) at least one selected from the group consisting of C.I. Pigment yellow 74, C.I. Pigment yellow 138, C.I. Pigment yellow 150, and C.I. Pigment yellow 180, and (4) carbon black.

49-52. (Cancelled)

53. (New) The ink set of any of one claims 21 and 22, wherein the surfactant is selected from compounds represented by the following formulas (II) to (V):



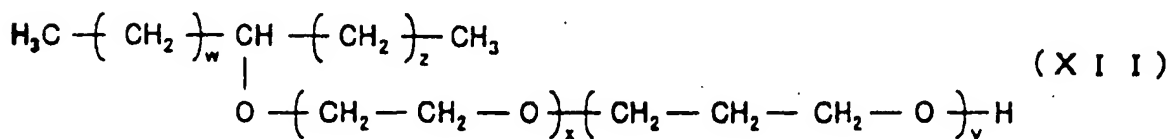
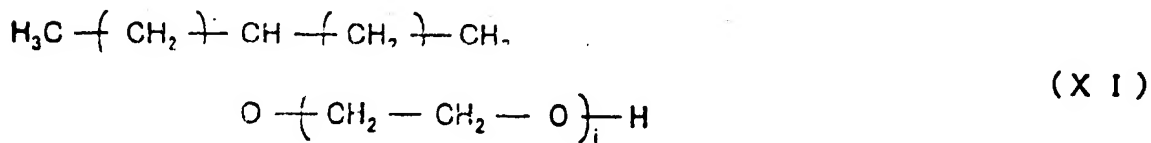
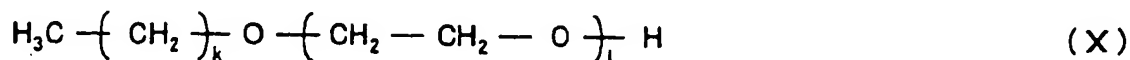
where, in formula (II), k represents an integer or fractional number from 11 to 13; and l represents 15;

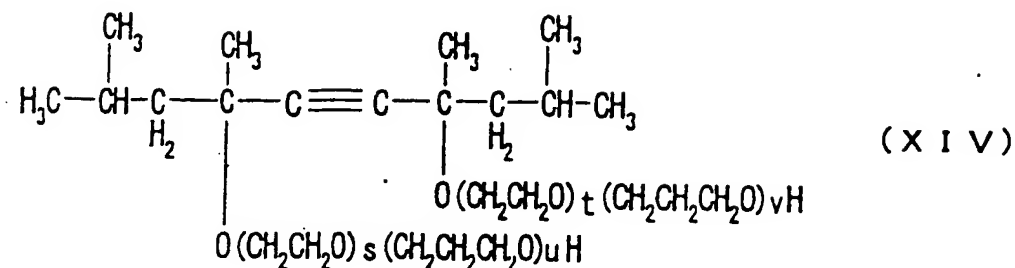
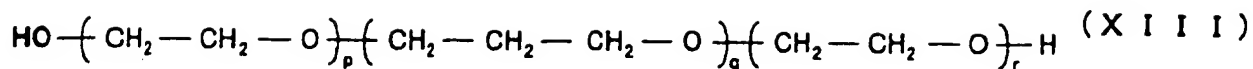
in the formula (III), h represents an integer or fractional number from 0 to 11; i represents an integer or fractional number from 0 to 11; j represents 9; and a sum of h and i (h + i) represents an integer or a fractional number from 9 to 11;

in the formula (IV), w represents an integer or a fractional number from 0 to 11; x represents 9; y represents 5; z represents an integer or a fractional number from 0 to 9; and a sum of w and z ($w + z$) represents an integer or a fractional number from 9 to 11; and

in the formula (V), p represents 12; q represents 8; and r represents 4.

54. (New) The ink set of any one of claims 47 and 48,
wherein the surfactant is selected from compounds represented by
the following formulas (X) to (XIV):





where, in the formula (X), k represents an integer or a fractional number from 11 to 13; and l represents 15;

in the general formula (XI), h represents an integer or fractional number from 0 to 11; i represents an integer or fractional number from 0 to 11; j represents 9; and a sum of h and i (h + i) represents an integer or a fractional number from 9 to 11;

in the formula (XII), w represents an integer or fractional number from 0 to 11; x represents 9; y represents 5; z represents an integer or fractional number from 0 to 9; and a sum of w and z (w + z) represents an integer or a fractional number from 9 to 11;

in the formula (XIII), p represents 12; q represents 8; r represents 4; and

in the formula (XIV), s represents an integer or fractional number from 0 to 5, t represents an integer or a fractional number from 0 to 5; a sum of s and t ($s + t$) represents an integer or a fractional number from 0 to 5; u represents an integer or a fractional number from 0 to 2; v represents an integer or fractional number from 0 to 2; and a sum of u and v ($u + v$) represents an integer or fractional number from 0 to 2.